

January 28, 2002

Mr. Robert J. Bucko, Jr.  
Bucko Construction Company, Inc.  
890 Chase Street  
Gary, Indiana 46404

Re: **089-14545-00179**  
First Significant Revision to  
**FESOP 089-8980-00179**

Dear Mr. Bucko:

Bucko Construction Company, Inc. was issued a permit on May 7, 1998 for a stationary hot batch-mix asphalt production source. A letter requesting changes to this permit was received on June 27, 2001. Pursuant to the provisions of 326 IAC 2-8-11.1 a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of changing the PM<sub>10</sub> emission limit in the FESOP from 15.78 pounds per hour to 0.1382 pounds per ton of asphalt produced with the addition of an annual production limit of 1,000,000 tons of asphalt.

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions  
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit  
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 (Revocation), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the significant permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this modification and the following revised permit pages to the front of the original permit.

Bucko Construction Company, Inc.  
Gary, Indiana

Page 2 of 2  
SPR 089-14545-00179

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Edward A. Longenberger, c/o OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Original signed by

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

Attachments  
EAL/MES

cc: File - Lake County  
U.S. EPA, Region V  
Lake County Health Department  
Gary Division of Air Pollution Control  
Northwest Regional Office  
Air Compliance Section Inspector - Ramesh Tejuja  
Compliance Data Section - Karen Nowak  
Administrative and Development - Janet Mobley  
Technical Support and Modeling - Michele Boner

**FEDERALLY ENFORCEABLE STATE  
OPERATING PERMIT (FESOP)  
and ENHANCED NEW SOURCE REVIEW**

**OFFICE OF AIR QUALITY  
and Gary Division of Air Pollution Control**

**Bucko Construction Co., Inc.  
1501 Michigan Street  
Gary, Indiana 46402**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 and 326 IAC 2-1-3.2, as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F 089-8980-00179	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: May 7, 1998  Expiration Date: May 7, 2003
First Significant Permit Revision No.: SPR 089-14545-00179	Pages Affected: 30, 31, 32, 33; 38a added
Issued by: Original signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date:  January 28, 2002

## SECTION D.1

## FACILITY OPERATION CONDITIONS

- (1) one (1) 400 ton per hour dryer and batch mixer exhausting through stack SV#1,
- (2) one (1) 150 MMBTU/hr burner firing natural gas and exhausting through stack SV#1,
- (3) one (1) 2.0 MMBTU/hr hot oil heater firing natural gas.

### Emission Limitations and Standards [326 IAC 2-8-4(1)]

#### D.1.1 Nitrogen Oxides (NO<sub>x</sub>) [326 IAC 2-8-4]

- (a) Pursuant to 326 IAC 2-8-4, the input of natural gas to the aggregate dryer burner shall be limited to 82.91 MMCF per 365-day period, rolled on a daily basis.
- (b) During the first 365 days of operation, natural gas consumption shall be limited such that the total usage divided by the accumulated days of operation shall not exceed the limit specified.

This fuel usage limitation is equivalent to nitrogen oxides potential to emit (PTE) of 22.8 tons per 365-day period, rolled on a daily basis. Due to this usage limit, the Part 70 Permit Program (326 IAC 2-7) and Emission Offset (326 IAC 2-3) rules do not apply.

#### D.1.2 Particulate Matter (PM) [326 IAC 6-1-2]

Pursuant to 326 IAC 6-1-2 (Nonattainment Area Particulate Limitations) particulate matter emissions from the asphalt plant shall not exceed 0.03 grains per dry standard cubic foot (gr/dscf). This emission limitation is equivalent to 13.45 pounds per hour based on an exhaust rate of 82,892 acfm and an exhaust temperature of 350 degrees Fahrenheit.

#### D.1.3 Particulate Matter (PM) [326 IAC 12]

Pursuant to the New Source Performance Standards, 326 IAC 12 (40 CFR 60.90 to 60.93, Subpart I):

- (a) particulate matter emissions from the asphalt plant shall not exceed 0.04 grains per dry standard cubic foot (gr/dscf), and
- (b) the visible emissions from the plant shall not exceed 20 percent opacity.

This emission limitation is equivalent to 17.93 pounds per hour based on an exhaust rate of 82,892 acfm and an exhaust temperature of 350 degrees Fahrenheit. Compliance with 326 IAC 6-1-2 and 326 IAC 5-1 will satisfy this rule.

#### D.1.4 Particulate Matter 10 Microns (PM<sub>10</sub>) [326 IAC 2-8-4]

- (a) Pursuant to 326 IAC 2-8-4, emissions of particulate matter 10 microns or less in diameter (PM<sub>10</sub>) from the aggregate dryer/mixer shall not exceed 0.1382 pounds per ton of asphalt produced, including both filterable and condensable fractions.
- (b) The source shall not produce more than one million (1,000,000) tons of asphalt concrete per 365 consecutive day period, equivalent to PM<sub>10</sub> emissions of 69.1 tons per year based on the 0.1382 pounds of PM<sub>10</sub> per ton of asphalt produced. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) do not apply.

#### D.1.5 Emission Offset Minor Limit [326 IAC 2-3]

- (a) Pursuant to 326 IAC 2-3, the production of asphalt concrete shall be limited to 2,897,195 tons per 365-day period, rolled on a daily basis.
- (b) During the first 365 days of operation, asphalt concrete production shall be limited such that the total usage divided by the accumulated days of operation shall not exceed the limit specified.

This production limitation was taken voluntarily by the company and is equivalent to particulate matter potential to emit (PTE) of 48.7 tons per 365-day period, rolled on a daily basis. Due to this production limit and D.1.3, 326 IAC 2-3 (Emission Offset) and the Part 70 (326 IAC 2-7) rules do not apply.

#### D.1.6 Volatile Organic Compounds (VOC)

- (a) The VOC input usage in the production of cold mix cutback asphalt shall be limited to 23.9 tons per 365 day period, rolled on a daily basis. This is equivalent to 25.16 tons of diluent used per 365-day period in the production of cutback asphalt based on 95% volatilization.
- (b) During the first 365 days of operation, the diluent usage shall be limited such that the total usage divided by the accumulated days of operation shall not exceed the limit specified.

Due to the above limit, 326 IAC 2-3 (Emission Offset) and the Part 70 rules (326 IAC 2-7) do not apply.

#### D.1.7 Volatile Organic Compounds (VOC) [326 IAC 8-5-2]

Pursuant to 326 IAC 8-5-2 (Miscellaneous Operations: Asphalt Paving), no person shall cause or allow the use of cutback asphalt or asphalt emulsion containing more than seven percent (7%) oil distillate by volume of emulsion for any paving application except:

- (a) penetrating prime coating
- (b) stockpile storage
- (c) application during the months of November, December, January, February, and March

#### D.1.8 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan of this permit, is required for this facility and any control devices.

### Compliance Determination Requirements

#### D.1.9 Testing Requirements [326 IAC 2-8-5(1)]

During the period within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, the Permittee shall perform PM and PM-10 testing utilizing Methods 5 or 17 (40 CFR 60, Appendix A) for PM and Methods 201 or 201A and 202 (40 CFR 51, Appendix M) for PM-10, or other methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM-10 includes filterable and condensable PM-10.

## **Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]**

### **D.1.10 Particulate Matter (PM)**

The baghouse for PM control shall be in operation at all times when the aggregate drum dryer and/or aggregate dryer burner are in operation.

### **D.1.11 Visible Emission Notations**

- (a) Daily visible emission notations of the conveyers, material transfer points, aggregate storage piles, unpaved roads, and the aggregate dryer/burner stack exhaust shall be performed during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

### **D.1.12 Parametric Monitoring**

- (a) The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the aggregate drum dryer and aggregate dryer burner, at least once per working shift when the dryer and/or dryer burner is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within the range of 2.0 to 8.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading. The instrument used for determining the pressure shall comply with Section C - Pressure Gauge Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and the Gary Division of Air Pollution Control and shall be calibrated at least once every six (6) months.
- (b) The inlet temperature to the baghouse shall be maintained within a range of 200-400 degrees Fahrenheit (°F) to prevent overheating of the bags and to prevent low temperatures from mudding up the bags. The thermocouple at the inlet has a temperature switch which automatically shuts the burner off if the high end range is exceeded. In the event that bag failure has occurred due to rupture, melting, etc., corrective action shall be taken. The Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when the inlet temperature reading is outside of the above mentioned range for any one reading. The baghouse shall shutdown for visual inspection within 24 hours and bags shall be replaced as needed.

## **Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]**

### **D.1.13 Record Keeping Requirements**

- 
- (a) Production Rate -The Permittee shall maintain daily records at the source of the following values:
- (1) Amount of liquid binder used in the production of cold mix cutback asphalt;
  - (2) Average diluent content of the liquid binder; and
  - (3) Amount of asphalt concrete produced.

### **D.1.14 Reporting Requirements**

- 
- (a) A quarterly summary to document compliance with operation condition number D.1.1 shall be submitted to the addresses listed in Section C - General Reporting Requirements, using the enclosed forms or their equivalent, within thirty (30) days after the end of the quarter being reported. These reports shall include the amounts of fuel used and the 365 day rolling total of fuel usage in the quarter.
- (b) A quarterly summary of the information to document compliance with Condition D.1.4 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) A quarterly summary to document compliance with operation condition number D.1.5 shall be submitted to the addresses listed in Section C - General Reporting Requirements, using the enclosed forms or their equivalent, within thirty (30) days after the end of the quarter being reported. These reports shall include the 365 day rolling total of asphalt concrete produced in the quarter.
- (d) A quarterly summary to document compliance with operation condition number D.1.6 shall be submitted to the addresses listed in Section C - General Reporting Requirements, using the enclosed forms or their equivalent, within thirty (30) days after the end of the quarter being reported. These reports shall include the 365 day rolling total amount of diluent used in the production of cold mix cutback asphalt.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE BRANCH  
and the Gary Division of Air Pollution Control**

**FESOP Quarterly Report**

Source Name: Bucko Construction Co., Inc.  
Source Address: 1501 Michigan Street, Gary, Indiana, 46402  
Mailing Address: 890 Chase Street, Gary, Indiana, 46404  
FESOP No.: F-089-8980-00179  
Facility: aggregate dryer/mixer  
Parameter: Tons of asphalt produced (PM<sub>10</sub>)  
Limit: 1,000,000 tons of asphalt produced per 365 consecutive day period, equivalent to PM<sub>10</sub> emissions less than 69.1 tons per year [326 IAC 2-8-4]

Month: \_\_\_\_\_ Year: \_\_\_\_\_

Day	tons of asphalt produced (this day)	tons of asphalt produced (last 364 days)	tons of asphalt produced (365 day total)	Day	tons of asphalt produced (this day)	tons of asphalt produced (last 364 days)	tons of asphalt produced (365 day total)
1				17			
2				18			
3				19			
4				20			
5				21			
6				22			
7				23			
8				24			
9				25			
10				26			
11				27			
12				28			
13				29			
14				30			
15				31			
16							

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.  
Deviation has been reported on:

Submitted by:

Title/Position:

Signature:

Date:

Phone:

Attach a signed certification to complete this report.



January 28, 2002

## Indiana Department of Environmental Management Office of Air Quality

### Addendum to the Technical Support Document for a Significant Permit Revision to a Federally Enforceable State Operating Permit (FESOP)

<b>Source Name:</b>	<b>Bucko Construction Company, Inc.</b>
<b>Source Location:</b>	<b>1501 Michigan Street, Gary, Indiana</b>
<b>County:</b>	<b>Lake</b>
<b>SIC Code:</b>	<b>2951</b>
<b>Operation Permit No.:</b>	<b>F 089-8980-00179</b>
<b>Significant Permit Revision No.:</b>	<b>SPR 089-14545-00179</b>
<b>Permit Reviewer:</b>	<b>Edward A. Longenberger</b>

On July 20, 2001, the Office of Air Quality (OAQ) had a notice published in the Post Tribune, Merrillville, Indiana, stating that Bucko Construction Company, Inc. had applied for a Significant Permit Revision to a Federally Enforceable State Operating Permit (FESOP) to operate an asphalt production source with control. The notice also stated that OAQ proposed to issue a Significant Permit Revision to a FESOP for this operation and provided information on how the public could review the proposed Significant Permit Revision to a FESOP and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this Significant Permit Revision to a FESOP should be issued as proposed.

Upon further review, the OAQ has decided to make the following changes to the FESOP: The permit language is changed to read as follows (deleted language appears as ~~strikeouts~~, new language is **bolded**):

1. The quarterly summary referenced by Condition D.1.14(b) does require certification by the authorized individual.

#### D.1.14 Reporting Requirements

- (b) A quarterly summary of the information to document compliance with Condition D.1.4 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does ~~not~~ require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
2. On January 1, 2001, the name of the Office of Air Management (OAM) was changed to the Office of Air Quality (OAQ). All references to the ~~Office of Air Management~~ or ~~OAM~~ in Section D of the permit have been changed to **Office of Air Quality** or **OAQ**. All references to Office of Air Management or OAM in the FESOP should be read as Office of Air Quality or OAQ.
3. Bucko Construction Company has requested to add a portable recycled asphalt crusher to their asphalt production source. The crusher will have a capacity of 125 tons of asphalt per hour. This crusher is **not** subject to the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.67, Subpart OOO), because the capacity is less than 150 tons per hour. The potential emissions from the crusher are:

$$125 \text{ tons/hr} * 0.00504 \text{ lbs/ton} = 0.630 \text{ lb/hr and } 2.76 \text{ tons/yr PM and PM}_{10}$$

Because the potential particulate matter emissions are less than five (5) pounds per hour and twenty-five (25) pounds per day, the portable asphalt crusher is considered an insignificant activity. Therefore, Section A.3 of the permit is amended as follows:

**A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]**

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (i) **One (1) portable recycled asphalt crusher, identified as CR-1, capacity: 125 tons of asphalt per hour.**

4. Since the new crusher is portable, the following condition must be added to Section C of the permit:

**C.29 Relocation of Portable Sources [326 IAC 2-14-4]**

- (a) **The asphalt crusher, identified as CR-1, is approved for operation in all areas of Indiana. This determination is based on the requirements Prevention of Significant Deterioration in 326 IAC 2-2 and 40 CFR 52.21, and Emission Offset requirements in 326 IAC 2-3. A thirty (30) day advance notice of relocation must be given to IDEM, OAQ and a "Relocation Site Approval" letter must be obtained before relocating. The notification by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).**

- (b) **The Permittee shall also notify the applicable local air pollution control agency when relocating to or from one of the following:**

- (1) **Madison County - (Anderson Office of Air Management)**
- (2) **City of Evansville plus four (4) miles beyond the corporate limits but not outside Vanderburgh County - (Evansville EPA)**
- (3) **City of Gary - (Gary Division of Air Pollution)**
- (4) **City of Hammond - (Hammond Department of Environmental Management)**
- (5) **Marion County - (Indianapolis Air Pollution Control Agency)**
- (6) **St. Joseph County - (St. Joseph County Health Department)**
- (7) **Vigo County - (Vigo County Air Pollution Department)**

- (c) **That a valid operation permit consists of this document and any subsequent "Relocation Site Approval" letter specifying the current location of the asphalt crusher (CR-1).**

5. Pursuant to 326 IAC 6-1-2(g), all operations subject to 326 IAC 6-1-2 where the process is totally enclosed and thus it is practical to measure there from shall comply with the PM emission limit. Since it is not practical to measure the grain loading from this portable recycled asphalt crusher, 326 IAC 6-1-2(g) requires compliance with 326 IAC 5-1 (Opacity Limitations) and 326 IAC 6-4 (Fugitive Dust Emissions). Therefore, Condition D.1.2 is changed as follows:

**D.1.2 Particulate Matter (PM) [326 IAC 6-1-2]**

- (a) **Pursuant to 326 IAC 6-1-2 (Nonattainment Area Particulate Limitations) particulate matter emissions from the asphalt plant shall not exceed 0.03 grains per dry standard cubic foot (gr/dscf). This emission limitation is equivalent to 13.45 pounds per hour based on an exhaust rate of 82,892 acfm and an exhaust temperature of 350 degrees Fahrenheit.**

**(b) Pursuant to 326 IAC 6-1-2(g), the one (1) portable recycled asphalt crusher, identified as CR-1 shall comply with 326 IAC 5-1 and 326 IAC 6-4.**

6. The PM-10 limit for the aggregate dryer/mixer was adjusted in order to accommodate the emissions from the new portable asphalt crusher (2.76 tons of PM<sub>10</sub> per year). Condition D.1.4 is amended as follows:

**D.1.4 Particulate Matter 10 Microns (PM-10) [326 IAC 2-8-4]**

- (a) Pursuant to 326 IAC 2-8-4, emissions of particulate matter 10 microns or less in diameter (PM-10) from the aggregate dryer/mixer shall not exceed ~~0.1382~~ **0.1344** pounds per ton of asphalt produced, including both filterable and condensable fractions.
- (b) The source shall not produce more than one million (1,000,000) tons of asphalt concrete per 365 consecutive day period, equivalent to PM-10 emissions of ~~69.4~~ **67.2** tons per year based on the ~~0.1382~~ **0.1344** pounds of PM-10 per ton of asphalt produced. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) do not apply.

The new limited PTE for this source is shown in the table below. This table shows that PM<sub>10</sub> emissions are still limited to less than one hundred (100) tons per year.

Process/ facility	Limited PTE (tons/year)						
	PM	PM <sub>10</sub>	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs
drum dryer & burner	48.7	67.2	negligible	0.1	1.6	22.8	8.4
conveying/handling	8.8	0.9	-	-	-	-	-
storage piles	0.7	0.2	-	-	-	-	-
unpaved roads	82.1	28.7	-	-	-	-	-
hot oil heater	0.1	0.1	negligible	0.0	0.3	1.2	-
cutback asphalt	-	-	-	23.9	-	-	-
portable asphalt crusher	2.76	2.76	-	-	-	-	-
<b>Total Emissions</b>	<b>143</b>	<b>99.9</b>	<b>negligible</b>	<b>24.0</b>	<b>1.9</b>	<b>24.0</b>	<b>8.4</b>

January 28, 2002

**Indiana Department of Environmental Management  
Office of Air Quality  
and Gary Division of Air Pollution Control**

**Technical Support Document (TSD) for a Significant Permit Revision to a  
Federally Enforceable State Operating Permit**

**Source Background and Description**

<b>Source Name:</b>	<b>Bucko Construction Company, Inc.</b>
<b>Source Location:</b>	<b>1501 Michigan Street, Gary, Indiana</b>
<b>County:</b>	<b>Lake</b>
<b>SIC Code:</b>	<b>2951</b>
<b>Operation Permit No.:</b>	<b>F 089-8980-00179</b>
<b>Operation Permit Issuance Date:</b>	<b>May 7, 1998</b>
<b>Significant Permit Revision No.:</b>	<b>SPR 089-14545-00179</b>
<b>Permit Reviewer:</b>	<b>Edward A. Longenberger</b>

The Office of Air Quality (OAQ) has reviewed a significant permit revision application from Bucko Construction Company, Inc. relating to the revision of the PM<sub>10</sub> emission limit in their FESOP (F 089-8980-00179).

**History**

On June 27, 2001, Bucko Construction Company, Inc. submitted an application to the OAQ requesting to change the PM<sub>10</sub> emission limit in their FESOP. Bucko Construction Company, Inc. was issued a Federally Enforceable State Operating Permit (FESOP), F 089-8980-00179, on May 7, 1998.

The change of the PM<sub>10</sub> emission limit from a pound per hour to a pound per ton of asphalt produced, combined with a production limit, results in no change to the limited annual PM<sub>10</sub> emissions. PM<sub>10</sub> emissions will still be limited to 69.1 tons per year.

**Enforcement Issue**

There are no enforcement actions pending.

**Recommendation**

The staff recommends to the Commissioner that the FESOP Significant Permit Revision be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on June 27, 2001.

### Justification for Revision

The FESOP is being revised through a FESOP Significant Permit Revision. This revision is being performed pursuant to 326 IAC 2-8-11.1(f) because:

- (a) The change in the PM<sub>10</sub> emission limit will result in an increase in allowable PM<sub>10</sub> emissions on an hourly basis, and
- (b) The annual production limit is being revised.

### Proposed Changes

The permit language is changed to read as follows (deleted language appears as ~~strikeouts~~, new language appears in bold):

#### D.1.4 Particulate Matter 10 Microns (PM10) [326 IAC 2-8-4]

---

- (a) Pursuant to 326 IAC 2-8-4, emissions of particulate matter 10 microns or less in diameter (PM10) from the aggregate dryer/mixer shall not exceed **0.1382 pounds per ton of asphalt produced** ~~15.78 pounds per hour~~, including both filterable and condensable fractions.
- (b) **The source shall not produce more than one million (1,000,000) tons of asphalt concrete per 365 consecutive day period, equivalent to PM<sub>10</sub> emissions of 69.1 tons per year based on the 0.1382 pounds of PM<sub>10</sub> per ton of asphalt produced.** Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) do not apply.

#### D.1.13 Record Keeping Requirements

---

- (a) Production Rate -The Permittee shall maintain **daily** ~~monthly~~ records at the source of the following values:
  - (1) Amount of liquid binder used in the production of cold mix cutback asphalt; ~~and~~
  - (2) Average diluent content of the liquid binder; **and**
  - (3) **Amount of asphalt concrete produced.**

#### D.1.14 Reporting Requirements

---

- (a) A quarterly summary to document compliance with operation condition number D.1.1 shall be submitted to the addresses listed in Section C - General Reporting Requirements, using the enclosed forms or their equivalent, within thirty (30) days after the end of the quarter being reported. These reports shall include the amounts of fuel used and the 365 day rolling total of fuel usage in the quarter.
- (b) **A quarterly summary of the information to document compliance with Condition D.1.4 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).**

- (bc) A quarterly summary to document compliance with operation condition number D.1.5 shall be submitted to the addresses listed in Section C - General Reporting Requirements, using the enclosed forms or their equivalent, within thirty (30) days after the end of the quarter being reported. These reports shall include the 365 day rolling total of asphalt concrete produced in the quarter.
- (cd) A quarterly summary to document compliance with operation condition number D.1.6 shall be submitted to the addresses listed in Section C - General Reporting Requirements, using the enclosed forms or their equivalent, within thirty (30) days after the end of the quarter being reported. These reports shall include the 365 day rolling total amount of diluent used in the production of cold mix cutback asphalt.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE BRANCH**

**FESOP Quarterly Report**

**Source Name:** Bucko Construction Co., Inc.  
**Source Address:** 1501 Michigan Street, Gary, Indiana, 46402  
**Mailing Address:** 890 Chase Street, Gary, Indiana, 46404  
**FESOP No.:** F-089-8980-00179  
**Facility:** aggregate dryer/mixer  
**Parameter:** Tons of asphalt produced (PM<sub>10</sub>)  
**Limit:** 1,000,000 tons of asphalt produced per 365 consecutive day period,  
equivalent to PM<sub>10</sub> emissions less than 69.1 tons per year [326 IAC 2-8-4]

Month: \_\_\_\_\_ Year: \_\_\_\_\_

Day	tons of asphalt produced (this day)	tons of asphalt produced (last 364 days)	tons of asphalt produced (365 day total)	Day	tons of asphalt produced (this day)	tons of asphalt produced (last 364 days)	tons of asphalt produced (365 day total)
1				17			
2				18			
3				19			
4				20			
5				21			
6				22			
7				23			
8				24			
9				25			
10				26			
11				27			
12				28			
13				29			
14				30			
15				31			
16							

9      No deviation occurred in this month.

9      Deviation/s occurred in this month.  
Deviation has been reported on:

**Submitted by:**

**Title/Position:**

**Signature:**

**Date:**

**Phone:**

**Attach a signed certification to complete this report.**

Note: Entire Permit

On January 1, 2001, the name of the Office of Air Management (OAM) was changed to the Office of Air Quality (OAQ). All references to the Office of Air Management or OAM on the cover page of the permit have been changed to Office of Air Quality or OAQ. All references to Office of Air Management or OAM in the FESOP should be read as Office of Air Quality or OAQ.

## **Conclusion**

The construction of this proposed revision shall be subject to the conditions of the attached proposed FESOP Significant Permit Revision No. 089-14545-00179.